



TROPICAL CYCLONE BULLETIN NO. 7

Typhoon BETTY (MAWAR)

Issued at 5:00 PM, 28 May 2023

Valid for broadcast until the next bulletin at 11:00 PM today.

TYPHOON "BETTY" SLIGHTLY WEAKENS AND IS NOW MOVING WEST NORTHWESTWARD OVER THE PHILIPPINE SEA EAST OF NORTHERN LUZON

Location of Center (4:00 PM)

The center of the eye of Typhoon BETTY was estimated based on all available data at **630 km East of Tuguegarao City, Cagayan (17.6°N, 127.7°E)**

Intensity

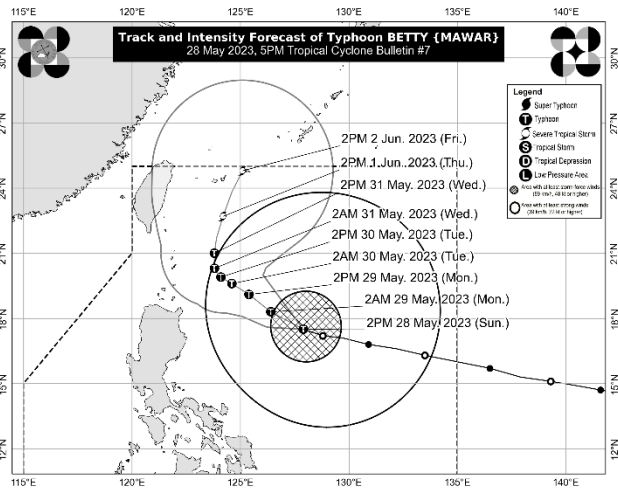
Maximum sustained winds of **165 km/h** near the center, gustiness of up to **205 km/h**, and central pressure of **940 hPa**

Present Movement

West northwestward at 15 km/h

Extent of Tropical Cyclone Winds

Strong to typhoon-force winds extend outwards up to **740 km** from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 2:00 AM 29 May 2023	18.3	126.4	505 km East of Aparri, Cagayan	165	TY	WNW 15
24-Hour Forecast 2:00 PM 29 May 2023	19.1	125.4	415 km East of Calayan, Cagayan	165	TY	NW 10
36-Hour Forecast 2:00 AM 30 May 2023	19.6	124.6	330 km East of Calayan, Cagayan	155	TY	WNW 10
48-Hour Forecast 2:00 PM 30 May 2023	19.9	124.1	230 km East Southeast of Basco, Batanes	150	TY	WNW Slowly
60-Hour Forecast 2:00 AM 31 May 2023	20.3	123.8	190 km East of Basco, Batanes	140	TY	NW Slowly
72-Hour Forecast 2:00 PM 31 May 2023	21.0	123.8	205 km East of Itbayat, Batanes	130	TY	N Slowly
96-Hour Forecast 2:00 PM 01 June 2023	22.7	124.2	325 km Northeast of Itbayat, Batanes	110	STS	NNE 10
120-Hour Forecast 2:00 PM 02 June 2023	24.8	125.1	560 km Northeast of Itbayat, Batanes	110	STS	NNE 10

Prepared by: *JEMB*

Checked by: *SFD*



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1 Wind threat: Strong winds	Batanes, Cagayan including Babuyan Islands, Isabela, Apayao, Ilocos Norte, the northern and central portions of Abra (Tineg, Lacub, Lagayan, San Juan, Lagangilang, Licuan-Baay, Malibcong, Danglas, La Paz, Dolores, Tayum, Bucay, Sallapadan, Daguioman, Bucloc, Boliney), Kalinga, the eastern and central portions of Mountain Province (Sadanga, Barlig, Natonin, Paracelis, Bontoc), the eastern and central portions of Ifugao (Mayoyao, Aguinaldo, Alfonso Lista, Banaue, Hingyon, Lagawe, Lamut, Kiangnan, Asipulo), the northern and central portions of Aurora (Dilasag, Casiguran, Dinalungan, Dipaculao), Quirino and the northeastern portion of Nueva Vizcaya (Kasibu, Quezon, Solano, Bagabag, Diadi, Villaverde, Bayombong, Ambaguio)	-	-
	Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property		

HAZARDS AFFECTING LAND AREAS
<p><u>Heavy Rainfall Outlook</u></p> <p>Forecast accumulated rainfall from tomorrow afternoon to Tuesday afternoon</p> <ul style="list-style-type: none"> • 100-200 mm: The eastern portion of Babuyan Islands and the northeastern portion of mainland Cagayan. • 50-100 mm: Batanes, the northwestern portion of mainland Cagayan, and the northern portions of Ilocos Norte and Apayao. <p>Forecast accumulated rainfall from Tuesday afternoon to Wednesday afternoon</p> <ul style="list-style-type: none"> • Greater than 200 mm: Batanes, Babuyan Islands, and the northern portion of Ilocos Norte • 100-200 mm: The northern portion of mainland Cagayan, the rest of Ilocos Norte, Ilocos Sur, La Union, Abra, and Benguet • 50-100 mm: Pangasinan and the rest of Cordillera Administrative Region and mainland Cagayan. <p>Forecast accumulated rainfall from Wednesday afternoon to Thursday afternoon</p> <ul style="list-style-type: none"> • Greater than 200 mm: Batanes, Ilocos Sur, the northern portion of La Union, and the northern portion of Benguet • 100-200 mm: Babuyan Islands, Ilocos Norte, Abra, and the rest of La Union and Benguet • 50-100 mm: The northern portion of mainland Cagayan, Pangasinan, and the rest of Cordillera Administrative Region <p>In addition, Typhoon BETTY will also enhance the Southwest Monsoon this week:</p> <ul style="list-style-type: none"> • Tomorrow: Monsoon rains are possible over the western portions of MIMAROPA and Western Visayas • Tuesday: Monsoon rains are likely over the western portions of CALABARZON, MIMAROPA, and Western Visayas • Wednesday: Monsoon rains are likely over Western Visayas and the western portions of Central and Southern Luzon <p>Under these conditions, flooding and rain-induced landslides are likely, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities that experienced considerable amounts of rainfall for the past several days.</p>

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<p><u>Severe Winds</u></p> <ul style="list-style-type: none"> Minimal to minor impacts caused by strong winds (i.e., strong breeze to near gale strength) are possible within any of the areas where Tropical Cyclone Wind Signal No.1 is currently in effect. Such conditions may begin tonight or tomorrow. Wind Signal No. 2 remains the most likely highest wind signal that will be hoisted, while Wind Signal No. 3 remains the reasonable worst-case scenario. The enhanced Southwest Monsoon may also bring occasionally gusts reaching strong breeze to near gale strength beginning tonight or tomorrow morning over most of Visayas, the eastern portion of Central Luzon, the eastern and southern portion of Southern Luzon, and the northern portion of Mindanao. The western portion of Luzon may also experience similar conditions beginning on Tuesday or Wednesday.
HAZARDS AFFECTING COASTAL WATERS
<p>Under the influence of BETTY, a marine gale warning remains in effect over the northern and eastern seaboard of Northern Luzon, eastern seaboard of Central and Southern Luzon, and the eastern seaboard of Visayas and Mindanao. For more information, refer to Gale Warning #3 issued at 5:00 PM today.</p>
TRACK AND INTENSITY OUTLOOK
<ul style="list-style-type: none"> BETTY will move west northwestward or northwestward for the next 36 hours while gradually decelerating. The typhoon will likely become slow-moving to almost stationary by Tuesday while over the waters east of Batanes. It will then move northward or north northeastward by mid Wednesday towards the sea east of Taiwan. This typhoon will likely remain as a typhoon throughout the forecast period, although it is expected to gradually weaken until Tuesday. Afterwards, increasingly unfavorable environment while moving northward or north northeastward on Wednesday or Thursday will result in a faster weakening rate. BETTY may be downgraded to severe tropical storm category on Thursday.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 11:00 PM today.

DOST-PAGASA

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